

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	"20030063456"	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/08 14:57
S2	66183	(convert\$3 convers\$3) with (electric\$4 and optic\$3)	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/08 15:32
S3	52261	(input output) with drive near2 control\$4	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/08 15:04
S4	24	((TAKANORI) near2 (SHIMIZU)).INV.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 14:58
S5	3	((TAKARA) near2 (SUGIMOTO)).INV.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 15:00
S6	11	((JUN-ICHI) near2 (SASAKI)).INV.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 14:58
S7	25	((KAZUHIKO) near2 (KURATA)).INV.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 14:58
S8	25	(S4 S5 S6 S7) and nec.as.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 15:02
S9	25	S8 and py<"2003"	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 15:02
S10	25	S8 and py<"2002"	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 15:02
S11	15	S8 and @py<"2003"	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 15:02

## EAST Search History

S12	5244	optic\$4 same substrate near8 wir\$3	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:04
S13	40	transducer near10 flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:13
S14	0	S13 and ground near3 electrode and (electromagnetic electro adj magnetic ) near2 shield	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:13
S15	0	S13 and ground and (electromagnetic electro adj magnetic ) near2 shield	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:14
S16	0	S13 and ground and (electromagnetic electro adj magnetic ) with shield	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:14
S17	1	S13 and (electromagnetic electro adj magnetic ) with shield	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:26
S18	6	"6522762"	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:26
S19	56	(convert\$3 convers\$3) with (electric\$4 and optic\$3) same flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:27

## EAST Search History

S20	4	S19 and @py<"2002"	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:28
S21	8051	(oe optoelectronic electrooptic eo) and circuit and (input output) same ic and ground	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:35
S22	576	S21 and flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 15:37
S23	19	S21 and convert\$3 same flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:18
S41	0	S21 and convert\$3 with (electric\$3 and optic\$3) same flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:19
S42	649	(optoelectronic opto adj electronic electrooptic\$2 electro adj optic\$2) same flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:23
S43	1	(input and output "I/O") with IC with drive with optical adj (module device)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:21
S44	10	(input output "I/O") with IC with drive with optical adj (module device)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:21

## EAST Search History

S45	985	(input output "I/O") with IC with drive with (module device)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:22
S46	1	S42 and S45	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:21
S47	2359	(input output "I/O") same IC same drive with (module device)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:22
S48	1	S42 and S47	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:23
S49	1977	(optoelectronic opto adj electronic electrooptic\$2 electro adj optic\$2) and flip adj chip	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:23
S50	9	S49 and S47	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/12/08 16:23
S51	7	("20050121683"   "6243509"   "6396968"   "6804423"   "6865307"   "6897430").PN. OR ("6977820").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 16:27
S52	0	S51 and flip adj cip	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 16:27
S53	1	S51 and flip adj chip	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:51

## EAST Search History

S54	12	("20010032984"   "20020167013"   "5191219"   "5712504"   "5737458"   "5757989"   "5835646"   "5955776"   "6097472"   "6343171"   "6499889"   "6516104").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 18:43
S55	186	(optoelectronic electrooptic) near2 (module device) and flip adj chip and ((heat thermal) near2 (sink\$3 spread\$3))	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:18
S56	12	("20010032984"   "20020167013"   "5191219"   "5712504"   "5737458"   "5757989"   "5835646"   "5955776"   "6097472"   "6343171"   "6499889"   "6516104").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 18:44
S57	0	S56 and ((heat thermal) near2 (sink\$3 spread\$3))	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 18:44
S58	15	S55 and @py<"2001"	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:18
S59	0	S55 and convex\$2 near2 lens same substrate	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 18:46
S60	3	(optoelectronic electrooptic) near2 (module device) and flip adj chip and convex\$2 near2 lens same substrate	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 18:47
S61	3	S58 and (housing frame) same (wire wiring)	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:04
S62	32	(optoelectronic electrooptic) near2 (module device) and flip adj chip and ((heat thermal) near2 (sink\$3 spread\$3)) and hermetic\$4	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:18
S63	5	S62 and @py<"2003"	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:18

## EAST Search History

S64	7	("20050121683"   "6243509"   "6396968"   "6804423"   "6865307"   "6897430").PN. OR ("6977820").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:51
S65	1	S64 and flip adj chip	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:51
S66	1	S65 and output with electric near2 signal	US-PGPU B; USPAT; USOCR	OR	ON	2006/12/08 19:51